

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/522,341
Source: PCT
Date Processed by STIC: 2-17-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

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PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/522,341

DATE: 02/17/2005
TIME: 12:04:43

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\02172005\J522341.raw

2 <110> APPLICANT: Kock, Michael
3 Frank, Markus
4 Badur, Ralf
6 <120> TITLE OF INVENTION: Novel Selection Processes
8 <130> FILE REFERENCE: 532622010400
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/522,341
C--> 11 <141> CURRENT FILING DATE: 2005-01-25
13 <160> NUMBER OF SEQ ID NOS: 71
15 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

350 <210> SEQ ID NO: 4
351 <211> LENGTH: 427
352 <212> TYPE: PRT
353 <213> ORGANISM: Artificial sequence
W--> 354 <220> FEATURE: PTS Insert
354 <223> OTHER INFORMATION: Description of the artificial sequence: coding for cytosine deaminase (codA)
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359 1 5 10 15
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362 20 25 30
364 Ile Asp Ala Gln Ser Gly Val Met Pro Ile Thr Glu Asn Ser Leu Asp
365 35 40 45
367 Ala Glu Gln Gly Leu Val Ile Pro Pro Phe Val Glu Pro His Ile His
368 50 55 60
370 Leu Asp Thr Thr Gln Thr Ala Gly Gln Pro Asn Trp Asn Gln Ser Gly
371 65 70 75 80
373 Thr Leu Phe Glu Gly Ile Glu Arg Trp Ala Glu Arg Lys Ala Leu Leu
374 85 90 95
376 Thr His Asp Asp Val Lys Gln Arg Ala Trp Gln Thr Leu Lys Trp Gln
377 100 105 110
379 Ile Ala Asn Gly Ile Gln His Val Arg Thr His Val Asp Val Ser Asp
380 115 120 125
382 Ala Thr Leu Thr Ala Leu Lys Ala Met Leu Glu Val Lys Gln Glu Val
383 130 135 140
385 Ala Pro Trp Ile Asp Leu Gln Ile Val Ala Phe Pro Gln Glu Gly Ile
386 145 150 155 160
388 Leu Ser Tyr Pro Asn Gly Glu Ala Leu Leu Glu Ala Leu Arg Leu
389 165 170 175

Does Not Comply
Corrected Diskette Needed
(pg. H4,6) ↵

FYT

pls insert

<220> whenever

<221> <222>

<221> <222>

OR <223>

is present.

RAW SEQUENCE LISTING
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TIME: 12:04:43

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Output Set: N:\CRF4\02172005\J522341.raw

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394 Tyr Gly Val Glu Ser Leu His Lys Thr Phe Ala Leu Ala Gln Lys Tyr
395      195          200          205
397 Asp Arg Leu Ile Asp Val His Cys Asp Glu Ile Asp Asp Glu Gln Ser
398      210          215          220
400 Arg Phe Val Glu Thr Val Ala Ala Leu Ala His His Glu Gly Met Gly
401      225          230          235          240
403 Ala Arg Val Thr Ala Ser His Thr Thr Ala Met His Ser Tyr Asn Gly
404      245          250          255
406 Ala Tyr Thr Ser Arg Leu Phe Arg Leu Leu Lys Met Ser Gly Ile Asn
407      260          265          270
409 Phe Val Ala Asn Pro Leu Val Asn Ile His Leu Gln Gly Arg Phe Asp
410      275          280          285
412 Thr Tyr Pro Lys Arg Arg Gly Ile Thr Arg Val Lys Glu Met Leu Glu
413      290          295          300
415 Ser Gly Ile Asn Val Cys Phe Gly His Asp Asp Val Phe Asp Pro Trp
416      305          310          315          320
418 Tyr Pro Leu Gly Thr Ala Asn Met Leu Gln Val Leu His Met Gly Leu
419      325          330          335
421 His Val Cys Gln Leu Met Gly Tyr Gly Gln Ile Asn Asp Gly Leu Asn
422      340          345          350
424 Leu Ile Thr His His Ser Ala Arg Thr Leu Asn Leu Gln Asp Tyr Gly
425      355          360          365
427 Ile Ala Ala Gly Asn Ser Ala Asn Leu Ile Ile Leu Pro Ala Glu Asn
428      370          375          380
430 Gly Phe Asp Ala Leu Arg Arg Gln Val Pro Val Arg Tyr Ser Val Arg
431      385          390          395          400
433 Gly Gly Lys Val Ile Ala Ser Thr Gln Pro Ala Gln Thr Thr Val Tyr
434      405          410          415
436 Leu Glu Gln Pro Glu Ala Ile Asp Tyr Lys Arg
437      420          425

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4799 <211> LENGTH: 27

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4801 <213> ORGANISM: Artificial sequence

W--> 4802 <220> FEATURE:

4803 <223> OTHER INFORMATION: Description of the artificial sequence:

4804 oligonucleotide primer

4806 <400> SEQUENCE: 50

4807 cgtgaatacg gcgtggagtc g.

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4811 <211> LENGTH: 26

4812 <212> TYPE: DNA

4813 <213> ORGANISM: Artificial sequence

W--> 4814 <220> FEATURE:

4815 <223> OTHER INFORMATION: Description of the artificial sequence:

4816 oligonucleotide primer

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/522,341

DATE: 02/17/2005
TIME: 12:04:44

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Output Set: N:\CRF4\02172005\J522341.raw

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 4850 <400> SEQUENCE: 53
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 5511 <221> NAME/KEY: CDS
 5512 <222> LOCATION: (1)..(981)
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 5515 <400> SEQUENCE: 59
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 5517 Ala Arg Ala Leu Leu Ser Ser Pro Leu Ala Gly Ala Ser Pro Asp Cys
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 5521 Gln Ser Ala Ser Ala Met Ala Ala Glu Glu Glu Gln Gly Phe Arg Pro
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 5524 ctg gac gag tcg tcc ctg ctc gcc tac atc aag gcc acg ccg gcg ctc 144
 5525 Leu Asp Glu Ser Ser Leu Leu Ala Tyr Ile Lys Ala Thr Pro Ala Leu
 5526 35 40 45
 5528 gcc tcc cgc ctc ggc ggc ggt ggc agt cta gac tcc atc gag atc aag 192
 5529 Ala Ser Arg Leu Gly Gly Ser Leu Asp Ser Ile Glu Ile Lys
 5530 50 55 60
 5532 gag gtc ggc gac ggc aac ctc aac ttc gtc tac atc gtg cag tcc gag 240
 5533 Glu Val Gly Asp Gly Asn Leu Asn Phe Val Tyr Ile Val Gln Ser Glu
 5534 65 70 75 80
 5536 gcc ggc gcc atc gtc gtc aag cag gcg ctc ccg tac gtg cgc tgc gtg 288
 5537 Ala Gly Ala Ile Val Val Lys Gln Ala Leu Pro Tyr Val Arg Cys Val
 5538 85 90 95
 5540 ggg gat tcg tgg ccc atg acg cgg gag cgc gcc tac ttc gag gcc tcc 336
 5541 Gly Asp Ser Trp Pro Met Thr Arg Glu Arg Ala Tyr Phe Glu Ala Ser
 5542 100 105 110
 5544 acg ctg cgg gag cac ggc cgc ctg tgc ccg gag cac acc ccc gag gtg 384
 5545 Thr Leu Arg Glu His Gly Arg Leu Cys Pro Glu His Thr Pro Glu Val
 5546 115 120 125
 5548 tac cac ttc gac cgg acc ttg tcg ctg atg ggg atg cgc tac atc gag 432
 5549 Tyr His Phe Asp Arg Thr Leu Ser Leu Met Gly Met Arg Tyr Ile Glu
 5550 130 135 140
 5552 ccc ccg cac atc atc ctc cgc aag ggc ctc gtc ggc ggt gtc gag tac 480
 5553 Pro Pro His Ile Ile Leu Arg Lys Gly Leu Val Ala Gly Val Glu Tyr
 5554 145 150 155 160

20

sel
pj-2
For error
exp information.

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DATE: 02/17/2005

TIME: 12:04:44

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\02172005\J522341.raw

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5568	gtg	ttc	tcg	gac	cca	tac	cgt	gtt	tcc	aaa	ttt	aat	cgg	tgg	acc	tcg	672
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5593	Met	His	Arg	Met	Gly	Met	Leu	Ile	Lys	Arg	Met	Ile	Val	Arg	Leu	Thr	
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5596	aga	atg	gat	ctt	gaa	gac	aat	tgaagagtgcg	tggaatttgt	tccacaaaaa							1011
E--> 5597	arg	met	asp	Leu	glu	asp	asn										

325 ← move to 325 → delete

10/522,341

Page 5

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(continuation of Seq ID# 55) 10/5/22, 341
Page 6

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ccctcacacc ggtgacgggg atcgatgg gtac 5674

pls explain
in
location.

See error
explanation on
page 7.

The type of errors shown exist throughout
the sequence listing. Please check subsequent
sequences for similar errors.

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/522,341

DATE: 02/17/2005
TIME: 12:04:45

Input Set : A:\sequence listing.txt
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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:55; N Pos. 5014

Seq#:57; N Pos. 6697

Seq#:59; N Pos. 1026

Error Explanation 2

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/522,341

DATE: 02/17/2005

TIME: 12:04:45

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\02172005\J522341.raw

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:228 M:283 W: Missing Blank Line separator, <220> field identifier
L:231 M:283 W: Missing Blank Line separator, <220> field identifier
L:236 M:283 W: Missing Blank Line separator, <220> field identifier
L:354 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4 ✓✓
L:357 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:4 ✓✓
L:443 M:283 W: Missing Blank Line separator, <220> field identifier
L:641 M:283 W: Missing Blank Line separator, <220> field identifier
L:645 M:283 W: Missing Blank Line separator, <400> field identifier
L:866 M:283 W: Missing Blank Line separator, <220> field identifier
L:1092 M:283 W: Missing Blank Line separator, <220> field identifier
L:1199 M:283 W: Missing Blank Line separator, <220> field identifier
L:1384 M:283 W: Missing Blank Line separator, <220> field identifier
L:1568 M:283 W: Missing Blank Line separator, <220> field identifier
L:1713 M:283 W: Missing Blank Line separator, <220> field identifier
L:1802 M:283 W: Missing Blank Line separator, <220> field identifier
L:1891 M:283 W: Missing Blank Line separator, <220> field identifier
L:2014 M:283 W: Missing Blank Line separator, <220> field identifier
L:2260 M:283 W: Missing Blank Line separator, <220> field identifier
L:2606 M:283 W: Missing Blank Line separator, <220> field identifier
L:2834 M:283 W: Missing Blank Line separator, <220> field identifier
L:3185 M:283 W: Missing Blank Line separator, <220> field identifier
L:3413 M:283 W: Missing Blank Line separator, <220> field identifier
L:3642 M:283 W: Missing Blank Line separator, <220> field identifier
L:3754 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:37
L:3847 M:283 W: Missing Blank Line separator, <220> field identifier
L:4039 M:283 W: Missing Blank Line separator, <220> field identifier
L:4225 M:283 W: Missing Blank Line separator, <220> field identifier
L:4411 M:283 W: Missing Blank Line separator, <220> field identifier
L:4597 M:283 W: Missing Blank Line separator, <220> field identifier
L:4782 M:283 W: Missing Blank Line separator, <220> field identifier
L:4802 M:283 W: Missing Blank Line separator, <220> field identifier
L:4807 M:252 E: No. of Seq. differs, <211> LENGTH:Input:27 Found:21 SEQ:50 ✓
L:4814 M:283 W: Missing Blank Line separator, <220> field identifier ✓
L:4819 M:252 E: No. of Seq. differs, <211> LENGTH:Input:26 Found:20 SEQ:51 ✓
L:4826 M:283 W: Missing Blank Line separator, <220> field identifier ✓
L:4846 M:283 W: Missing Blank Line separator, <220> field identifier ✓
L:4851 M:252 E: No. of Seq. differs, <211> LENGTH:Input:27 Found:20 SEQ:53 ✓
L:4857 M:283 W: Missing Blank Line separator, <220> field identifier ✓
L:4869 M:283 W: Missing Blank Line separator, <220> field identifier ✓
L:4957 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:55 ✓
L:4957 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:55 ✓
L:4957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:4980 ✓
L:4975 M:283 W: Missing Blank Line separator, <220> field identifier
L:5087 M:283 W: Missing Blank Line separator, <220> field identifier
L:5203 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:57 ✓
L:5203 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:57 ✓

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/522,341

DATE: 02/17/2005

TIME: 12:04:45

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\02172005\J522341.raw

L:5203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:6660
L:5262 M:283 W: Missing Blank Line separator, <220> field identifier
L:5510 M:283 W: Missing Blank Line separator, <220> field identifier
L:5597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:1011
L:5597 M:254 E: No. of Bases conflict, LENGTH:Input:325 Counted:1032 SEQ:59
L:5597 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:6
L:5597 M:112 C: (48) String data converted to lower case,
L:5597 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1011 Found:1032 SEQ:59
L:5673 M:283 W: Missing Blank Line separator, <220> field identifier
L:5761 M:283 W: Missing Blank Line separator, <220> field identifier
L:5842 M:283 W: Missing Blank Line separator, <220> field identifier
L:5923 M:283 W: Missing Blank Line separator, <220> field identifier
L:6003 M:283 W: Missing Blank Line separator, <220> field identifier
L:6015 M:283 W: Missing Blank Line separator, <220> field identifier
L:6027 M:283 W: Missing Blank Line separator, <220> field identifier